

162. *CUCULUS CLAMOSUS* (Lath.).

An adult male on December 26. Throughout the day the males kept calling for the females. The cry is a loud, clear, long-drawn whistle, and might be described by the syllables "tu, tu, tui"; but is sometimes uttered quickly, sounding then like "too, too," constantly repeated.

163. *CHRYSOCOCCYX SMARAGDINEUS* (Swains.).

An adult male near the Kafue river, on January 8.

Total length (measured in flesh) 8 inches, wing 4.3. Iris brown; eyelids and bill greenish; legs and feet slate-colour.

The cry, which is uttered from the top of some tall leafy tree, is clear and musical, and can be heard at a long distance.

164. *CHRYSOCOCCYX CUPREUS* (Bodd.).

The males of this species were first seen on October 14; the females appeared later.

The cry, which is plaintive, is uttered by the male from the top of some high tree, and might be described by the syllables "tu, tu, tu, tui."

[To be continued.]

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VIII.—*On a Collection of Birds obtained by Mr. H. S. H. Cavendish in Mozambique.* By R. BOWDLER SHARPE, LL.D., F.L.S., &c.

DURING a short visit to Mozambique in the autumn of 1898 Mr. Cavendish, so well known for his adventurous expedition to Lake Rudolf in 1896-97, made a small collection of birds near Beira and at Mapiuti in the Cheringoma District. Mr. Cavendish was accompanied by Mr. W. Dodson, who preserved the specimens with his usual care. Examples of several interesting species were procured, and it is impossible to help regretting that the collection was not larger, since, small as it is, it has added considerably to our knowledge of the range of some of the species which are enumerated in the following list.

1. UROBRACHYA AXILLARIS (Smith); Shelley, B. Afr. i. p. 24 (1896).

*Penthetria axillaris* Sharpe, ed. Layard's B. S. Africa, p. 461.

No. 37. ♂ juv. Mapicuti, Sept 16, 1898.

No. 49. ♂ juv. „ „ 20, 1898.

2. PYROMELANA ORYX (Linn.); Sharpe, t. c. p. 462; Shelley, B. Afr. i. p. 25.

No. 30. ♂ juv. Mapicuti, Sept. 16, 1898.

3. PYROMELANA TAHA (Smith); Sharpe, t. c. p. 465; Shelley, B. Afr. i. p. 25.

Nos. 36, 37. ♂ ad. Mapicuti, Sept. 20, 1898.

4. SPERMESTES NIGRICEPS Cass.; Shelley, B. Afr. i. p. 28. *Spermestes rufodorsalis* Peters; Sharpe, ed. Layard's B. S. Afr. p. 456.

No. 55. ♂ ad. Mapicuti, Sept. 20, 1899.

5. LAGONOSTICA NIVEIGUTTATA (Peters); Sharpe, Cat. B. Brit. Mus. xiii. p. 274.

*Hypargus niveiguttatus* Sharpe, ed. Layard's B. S. Afr. p. 477; Shelley, B. Afr. i. p. 32.

Nos. 32, 38. ♂ ad. Mapicuti, Sept. 16, 17, 1898. Iris brown; bill, legs, and eyelids blue.

6. LAGONOSTICTA RUBRICATA (Licht.); Sharpe, t. c. p. 475; Shelley, B. Afr. i. p. 31.

No. 48. ♂ imm. Mapicuti, Sept. 20, 1898. Iris dark brown; bill and legs blue.

7. ESTRILDA CAVENDISHI, sp. nov.

*E. similis E. astrild*, sed ubique saturatior, pilco saturatè plumbescenti-brunneo, concolore: fasciâ oculari saturatè coccinâ: facie laterali sordidè cinerascente: corpore subtùs lætè coccineo adumbrato. Long. tot. 4·0 poll., culm. 0·35, alæ 1·8, caudæ 1·9, tarsi 0·6.

No. 24. ♂. Mapicuti, Sept. 15, 1898. Bill red; iris brown.

This specimen differs from all other examples in our large series of *Estrilda astrild* in being very dark in colour, the

head being a dull leaden-brown, almost blackish in appearance, not grey, and not showing any vermiculations. The back and the under surface of the body are much darker than in *E. astrild*, and the barring on the flanks is much coarser and more heavily indicated, while at the same time the crimson on the breast and on the eye-streak is much richer.

8. *ESTRILDA ANGOLENSIS* (L.); Sharpe, Cat. B. Brit. Mus. xiii. p. 402.

*Uræginthus cyanogaster* (Daud.); Sharpe, ed. Layard's B. S. Afr. p. 473.

*Granatina angolensis* Shelley, B. Afr. i. p. 29.

No. 23. ♂ ad. Mapiicuti, Sept. 15, 1898. Iris red; bill mauve.

9. *SPOREGINTHUS SUBFLAVUS* (V.); Sharpe, Cat. B. Brit. Mus. xiii. p. 324.

*Estrilda subflava* Sharpe, ed. Layard's B. S. Afr. p. 469; Shelley, B. Afr. i. p. 30.

No. 8. imm. Barratas, near Beira, Sept. 13, 1898.

10. *HYPHANTORNIS JAMESONI* Sharpe, Cat. B. Brit. Mus. xiii. p. 447 (1890).

No. 52. ♂ ad. Mapiicuti, Sept. 20, 1898.

11. *PETRONIA PETRONELLA* (Licht.); Sharpe, t. c. p. 481.

*Petronia flavigula* (Sundev.); Shelley, B. Afr. i. p. 19.

No. 35. ♂. Mapiicuti, Sept. 17, 1898.

12. *MACRONYX CROCEUS* (V.); Shelley, B. Afr. i. p. 13.

*Macronyx striolatus*, Sharpe, t. c. p. 532.

No. 3. Barratas, near Beira, Sept. 11, 1898.

13. *CINNYRIS GUTTURALIS* (L.); Sharpe, t. c. p. 311.

*Chalcomitra gutturalis* Shelley, B. Afr. i. p. 4.

Nos. 33, 39. ♂ ad. Mapiicuti, Sept. 16, 17, 1898.

14. *CINNYRIS KIRKI* (Shelley).

No. 31. ♂ ad. Mapiicuti, Sept. 11, 1898. Iris brown.

The metallic forehead is much more bronzy in specimens from south of the Zambesi river, those from East Africa

having more of a steel-green gloss on the frontal patch. The specimens from Kilimanjaro, however, seem to be somewhat intermediate.

15. *ANTHODIETA ZAMBESIANA* Shelley, Monogr. Nectariniidæ, ii. p. 343, pl. iii. fig. 3; Sharpe, t. c. p. 321.

Nos. 29, 37. ♂ ad. Mapiicuti, Sept. 16, 17, 1898.

16. *MALACONOTUS BLANCHOTI* (Steph.); Shelley, B. Afr. i. p. 57; O. Neum. J. f. O. 1899, p. 392.

*Laniarius poliocephalus* Sharpe, t. c. p. 387.

No. 26. Mapiicuti, Sept. 16, 1898.

17. *DRYOSOPUS CUBLA* (Shaw); Shelley, B. Afr. i. p. 55; O. Neum. J. f. O. 1899, p. 413.

*Laniarius cubla* Sharpe, ed. Layard's B. S. Afr. p. 392.

Nos. 14, 15, ♀; 16, ♂. Mapiicuti, Sept. 15, 1898.

18. *TELEPHONUS SENEGALUS* (Linn.); Shelley, B. Afr. i. p. 55.

*Laniarius senegalus* Sharpe, t. c. p. 394.

No. 12. ♀. Barratas, near Beira, Sept. 10, 1898. Iris brown; feet grey.

19. *PRIONOPS TALACOMA* Smith; Sharpe, t. c. p. 406; Shelley, B. Afr. i. p. 49.

Nos. 41, 42. ♀ ad. Mapiicuti, Sept. 18, 1898. Iris and eyelids yellow; legs orange.

20. *SIGMODUS TRICOLOR* Gray; Sharpe, t. c. p. 407; Shelley, B. Afr. i. 49.

No. 54. ♀ ad. Mapiicuti, Sept. 20, 1898. Iris orange; bill, legs, and eyelids vermilion.

21. *BRADYORNIS GRISEA* Reichen.; Sharpe, Ibis, 1891, p. 602; Reichen. Vög. deutsch. Ost-Afr. p. 92 (1894); Shelley, B. Afr. i. p. 93.

No. 28. ♀ ad. Mapiicuti, Sept. 16, 1898. Iris brown.

It may seem somewhat strange that *B. grisea* of Reichenow, described from Ugogo and Masailand, should occur in Mozambique, but the fact appears to be less remarkable when it is considered that several specimens from Nyasaland are

also referable to this species. I am also inclined to refer two specimens from the Ivuna river in Zululand, collected by Messrs. Woodward, and identified by me as *B. oatesi*, to *B. grisea*. I have compared the specimens with one from Turquel, in the Jackson collection, which I had identified from the type specimen in the Berlin Museum. A specimen from Loronio is in Emin Pasha's collection in the British Museum.

*B. pumila* from Somaliland is certainly very closely allied to *B. grisea*, and may prove to be identical, but the buff-coloured throat and dark grey sides of the body appear to separate it. The material in the Museum is now ample for a revision of the genus *Bradyornis* when I shall have leisure to discuss it. At present it would appear that *B. pallida* is the large form from North-east Africa. A smaller form, *B. modesta* of Shelley, is found on the Gold Coast, and another smaller form, which I think must bear my name *B. subalaris*, is from East Africa. *B. murina* is a large grey bird, which is found from Benguela to Mashonaland, and extends to Nyasaland, and thence into Equatorial Africa.

22. MELÆNORNIS ATER (Sundev.); Shelley, B. Afr. i. p. 93.

*Bradyornis ater* Sharpe, t. c. p. 405.

No. 53. ♀ ad. Mapienti, Sept. 20, 1898.

23. PRINIA MYSTACEA Rüpp.; Sharpe, Cat. B. Brit. Mus. viii. p. 191; Shelley, B. Afr. i. p. 73.

*Drymæca affinis* Smith; Sharpe, ed. Layard's B. S. Afr. p. 258.

No. 7. Ad. Barratas, near Beira, Sept. 13, 1898. Iris and legs light brown.

No. 46. ♂ ad. Mapicuti, Sept. 20, 1898. Iris, eyelids, and legs light brown.

24. EUPRINODES NEGLECTUS.

*Chlorodyta neglecta* Boyd Alexander, Bull. B. O. C. x. p. xvii (Nov. 1899).

Nos. 45, ♂; 41, 43, ♀. Mapicuti, Sept. 10, 1898. Eyelids, iris, and feet light brown.

25. *CISTICOLA NATALENSIS* (Smith); Sharpe, ed. Layard's B. S. Afr. p. 261.

*Cisticola strangii* (pt.) Shelley, B. Afr. i. p. 74.

No. 6. ♂ ad. Barratas, near Beira, Sept. 12, 1898.

No. 22. ♀ ad. Mapicuti, Sept. 15, 1898.

26. *CISTICOLA RUF*A (Fraser); Sharpe, Cat. B. Brit. Mus. xiv. p. 252; Shelley, B. Afr. i. p. 75.

No. 21. Ad. Mapicuti, Sept. 15, 1898.

27. *CRATEROPUS KIRKI* Sharpe, ed. Layard's B. S. Afr. p. 213.

No. 11. ♂. Barratas, near Beira, Sept. 18, 1898.

28. *PYCNONOTUS LAYARDI* Gurney; Sharpe, t. c. p. 815; Shelley, B. Afr. i. p. 60.

Nos. 13, 14. ♀. Barratas, near Beira, Sept. 10, 1898. Iris brown.

29. *PHYLLOSTROPHUS STREPITANS* (Reichen.); Shelley, B. Afr. i. p. 65.

No. 50. ♀. Mapicuti, Sept. 20, 1898.

30. *PACHYPRORA MOLITOR* (Hahn & Küst.); Shelley, B. Afr. i. p. 98.

*Batis molitor* Sharpe, t. c. p. 348, pl. x. fig. 1.

Nos. 17, ♂; 18, 19, ♀ ad. Mapicuti, Sept. 15, 1898. Iris yellow.

31. *PSALIDOPROCNE PERCIVALI* Ogilvie Grant, Bull. B. O. C. viii. p. lv.

No. 45. ♂. Mapicuti, Sept. 20, 1898. Iris brown.

This is an interesting extension of the range of this species.

32. *INDICATOR MINOR* Steph.; Sharpe, t. c. p. 169; Shelley, B. Afr. i. p. 125.

No. 51. ♀. Mapicuti, Sept. 20, 1898. Iris dark brown.

33. *CENTROPUS BURCHELLI* Swains. An. in Menag. p. 321 (1838).

*Centropus natalensis* Shelley, Cat. B. Brit. Mus. xix. p. 362 (1891); id. B. Afr. i. p. 123.

*Centropus senegalensis* (nec L.); Sharpe, ed. Layard's B. S. Afr. p. 162.

No. 1. Barratas, near Beira, Sept. 10, 1898.

34. HALCYON ORIENTALIS Peters; Sharpe, ed. Layard's B. S. Afr. p. 116; Shelley, B. Afr. i. p. 117.

No. 40. ♂. Mapiuti, Sept. 17, 1898. Iris brown; bill and feet vermilion.

35. MELITTOPHAGUS CYANOSTICTUS Cab.

*Melittophagus meridionalis* Sharpe, Cat. B. Brit. Mus. xvii. p. 45, pl. i. fig. 4 (1892).

No. 9. Barratas, near Beira, Sept. 13, 1898.

No. 20. Mapiuti, Sept. 15, 1898. Iris red.

36. MELITTOPHAGUS ALBIFRONS (C. & H.); Sharpe, Cat. B. Brit. Mus. xvii. p. 53 (1892).

*Merops bullockoides* Smith; Sharpe, ed. Layard's B. S. Afr. p. 99, pl. iv. fig. 1 (1884).

*Melittophagus bullockoides* Shelley, B. Afr. i. p. 111.

No. 10. ♂ ad. Barratas, near Beira, Sept. 13, 1899. Iris brown.

37. MEROPS NATALENSIS Reichenb.; Sharpe, Cat. B. Brit. Mus. xvii. p. 84 (1892).

*Merops bullockoides* Smith; Sharpe, t. c. p. 99.

No. 25. Mapiuti, Sept. 15, 1898. Iris brown.

This specimen has the longest tail I have ever seen in this species, the centre feathers measuring 8.2 inches in length.

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IX. *On the Birds collected during an Expedition through Somaliland and Southern Abyssinia to the Blue Nile.*

By W. R. OGILVIE GRANT. *With Field-notes by Lord Lovat.*—Part I.

(Plates II. & III.)

FEW African expeditions of recent years have proved more interesting, or have led to more important scientific results, than the adventurous journey lately undertaken by Mr. II. Weld-Blundell and Lord Lovat.